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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/733,168	12/11/2003	Jiping Sun	67,114-004	5950
26096 CARLSON G	26096 7590 11/15/2007 CARLSON, GASKEY & OLDS, P.C.		EXAMINER	
400 WEST MAPLE ROAD			GODBOLD, DOUGLAS	
SUITE 350 BIRMINGHAI	M. MI 48009		ART UNIT	PAPER NUMBER
,			2626	•
			MAIL DATE	DELIVERY MODE
			11/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/733,168	SUN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Douglas C. Godbold	2626				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated will apply and will expire SIX (6) MONTHS from a cause the application to become AB ANDONE!	J. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 30 Au	<u>ugust 2007</u> .					
,	,					
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	ix parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.				
Disposition of Claims						
4) Claim(s) <u>2</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>2</u> is/are rejected.						
7) Claim(s) is/are objected to.	a ala atian na arriga manat					
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>11 December 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119	•					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •					
* See the attached detailed Office action for a list	of the certified copies not receive	ca.				
Attachment(s)	ø □ · · ·	(PTO 442)				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	nte				
3) Annormation Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 20031211.	5) Notice of Informal P 6) Other:	atent Application				

Application/Control Number: 10/733,168 Page 2

Art Unit: 2626

DETAILED ACTION

1. This Office action is in response to the correspondence filed August 30, 2007 in reference to application 10/733,168 filed December 11, 2003. Claim 2 is pending in the application and has been examined.

2. The instant application contains the following number of claims:

Number of independent claims: 3.

Number of total claims: 3.

Number of elected independent claims: 1.

Number of total elected claims: 1.

Election/Restrictions

3. Applicant's election without traverse of claim 2 in the reply filed on August 30, 2007 is acknowledged.

Information Disclosure Statement

4. The Information Disclosure statement filed December 11, 2003 has been considered and accepted in this office action.

Art Unit: 2626

Priority

5. This application claims priority to provisional US application 60/432,521 filed December 11, 2002. This priority date has been accepted and considered in this office action.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 7. Claim 2 is rejected under 35 U.S.C. 102(b) as being anticipated by Sun et al (A Robust Speech Understanding System Using Conceptual Relational Grammar; page numbers will refer too by the BOLD numbers on the generated HTML page from the PDF).
- 8. Consider claim 2, Sun teaches a fuzzy grammar rule derivation system to learn fuzzy grammar from corpora (Grammar rules are derived from a corpus; page 2, column 2, line 8.) comprising:

a shallow parsing algorithm, which assigns syntactic categories to words (words are assigned syntactic categories; page 2, column 2, line 32.) and segments a sentence into syntactic phrases (Chart in page 2 column 2 shows a sentence that has been segmented into syntactic phrases.);

Art Unit: 2626

a syntactic weight assignment algorithm, which assigns syntactic weight to context vectors according to their relative importance to a concept (Section 3.2 teaches how rules are derived. Here a position is assigned to the context words, which extend out 3 words in each direction. As it is clear from the fact that only 3 words in each direction are considered, the further out from the word, the less important the context. Therefore the position vector is in fact an importance weighting.); and

a statistical parameter calculation algorithm, which assigns frequency and differentiation parameters to context vectors of concepts (page 3, bottom of column 1, top of column 2, conceptual relations are listed with the frequencies and the paring of the different contexts are differentiation parameters that define eat rule pair.

Frequencies is a statistical parameter.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure is listed on the Notice of References Cited.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas C. Godbold whose telephone number is (571) 270-1451. The examiner can normally be reached on Monday-Thursday 7:00am-4:30pm Friday 7:00am-3:30pm.

Application/Control Number: 10/733,168 Page 5

Art Unit: 2626

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DCG

PATRICK N. EDOUARD SUPERVISORY PATENT EXAMINER